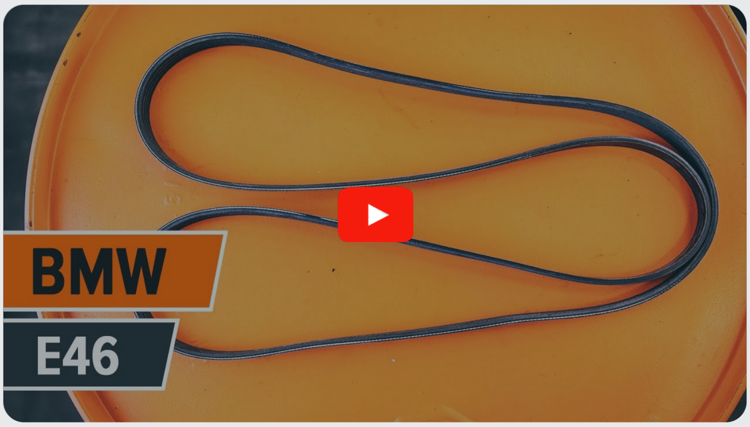
How to change serpentine belt on **BMW E46 Touring** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
BMW 3 Saloon (E46) 320d 2.0, BMW 3 Touring (E46) 320d 2.0, BMW 5 Saloon (E39) 520d 2.0, BMW 5 Touring (E39) 520d 2.0, BMW 3 Saloon (E46) 318d 2.0, BMW 3 Touring (E46) 318d 2.0

The steps may slightly vary depending on the car design.

REPLACEMENT: SERPENTINE BELT – BMW E46 TOURING. TOOLS YOU MIGHT NEED:



- Combination spanner #17
- Drive socket # 12
- Ratchet wrench
- Crow bar
- Fender cover

BUY TOOLS

Replacement: serpentine belt – BMW E46 Touring. AUTODOC experts recommend:

- All work should be done with the engine stopped.

REPLACEMENT: SERPENTINE BELT – BMW E46 TOURING. USE THE FOLLOWING PROCEDURE:

1 Open the bonnet.



2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



3 Unscrew the fasteners of the air distribution housing assembly. Use a drive socket #12. Use a ratchet wrench.



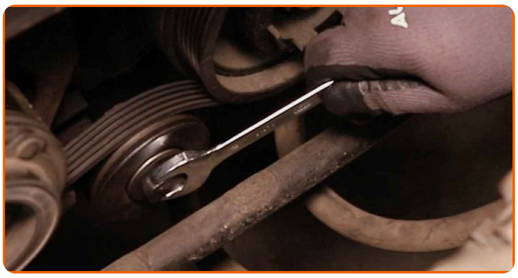
4

Remove the air distribution housing assembly.



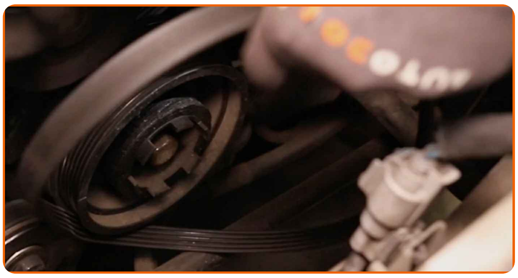
5

Pull aside the V-ribbed belt tensioner pulley. Use a combination spanner #17. Use a crowbar.



6

Remove the V-ribbed belt.



7

Return the tensioner pulley to its initial position. Use a combination spanner #17. Use a crowbar.

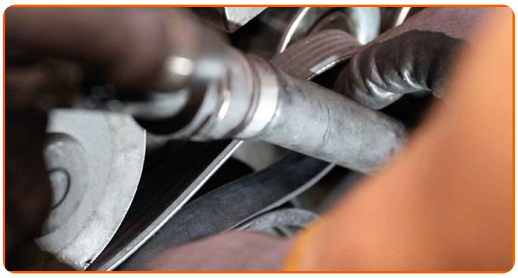


Replacement: serpentine belt – BMW E46 Touring. Tip from AUTODOC:

- Check the condition of the tensioner pulley and idler pulley. Replace them if necessary.

8 Pull aside the V-ribbed belt tensioner pulley. Use a combination spanner #17. Use a crowbar.

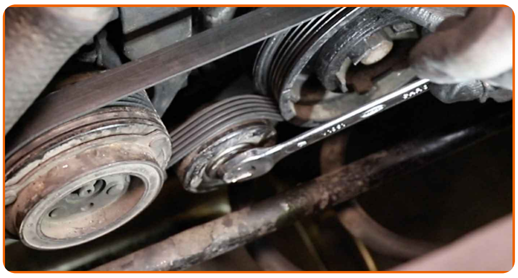
9 Install the V-ribbed belt.



Replacement: serpentine belt – BMW E46 Touring. AUTODOC experts recommend:

- Make sure that the V-ribbed belt fits all pulleys snugly.

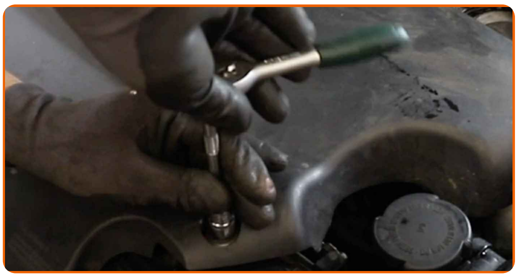
10 Return the tensioner pulley to its initial position. Use a combination spanner #17. Use a crowbar.



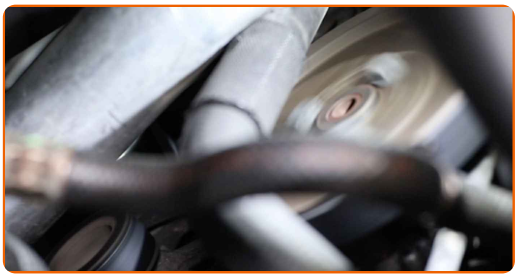
11 Reinstall the air distribution housing assembly.



12 Screw in the fasteners of the air distribution housing assembly. Use a drive socket #12. Use a ratchet wrench.



13 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



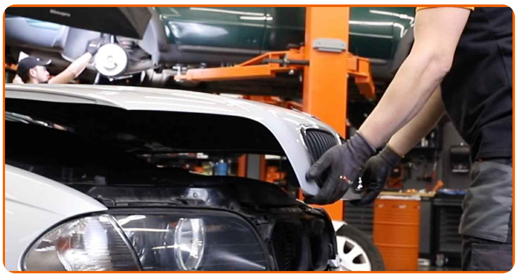
14 Shut off the engine.

15 Remove the fender protection cover.



16

Close the hood.



WELL DONE!

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